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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 28 Attorney Docket Number RMI-017RCE

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/M.C./	A1*	US-2,829,148	04-01-1958	Chalkley	
	A2*	US-2,839,542	06-17-1958	Chalkley	
	A3*	US-2,839,543	06-17-1958	Chalkley	
	A4*	US-2,855,303	10-07-1958	Chalkley	
	A5*	US-2,936,235	05-10-1960	Chalkley	
	A6*	US-3,798,131	03-19-1974	Rounds et al.	
	A7*	US-4,399,131	08-16-1983	Durckheimer et al.	
	A8*	US-4,599,303	07-08-1986	Yabusaki et al.	
	A9*	US-4,626,501	12-02-1986	Landes	
	A10*	US-4,656,127	04-07-1987	Mundy	
	A11*	US-4,683,194	07-28-1987	Saito et al.	
	A12*	US-4,716,106	12-29-1987	Chiswell	
	A13*	US-5,428,163	06-27-1995	Mills	
	A14*	US-5,463,092	10-31-1995	Hostettler et al.	
	A15*	US-5,773,592	06-30-1998	Mills	
	A16*	US-6,555,663	04-29-2003	Mills	
	A17*	US-7,015,352	03-21-2006	Mills	
	A18*	US-20030228644	12-11-2003	Mills	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>2</sup> -Number-Kind Code <sup>3</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
/M.C./	B1	EP-0078636-B1	05-11-1983	Genetics International, Inc.	
	B2	WO-89/05152-A1	06-15-1989	The Regents of the University of California	
	B3	WO-89/09833-A1	10-19-1989	Mills, Randell L.	
	B4	JP-8-73338	03-19-1996	Noeoir KK	
	B5	WO-96/15132-A1	05-23-1996	The Regents of the University of California	
	B6	WO-96/39831-A1	12-19-1996	The Regents of the University of California	

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Sheet <b>2</b> of <b>28</b>			
<b>Complete if Known</b>			
<b>Application Number</b>		<b>10/828,558-Conf. #5441</b>	
<b>Filing Date</b>		<b>April 21, 2004</b>	
<b>First Named Inventor</b>		<b>Randell L. MILLS</b>	
<b>Art Unit</b>		<b>1626</b>	
<b>Examiner Name</b>		<b>F. Powers</b>	
<b>Attorney Docket Number</b>		<b>RMI-017RCE</b>	

U.S. PATENT DOCUMENTS

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M.C.I.	B7	DE-19547022-A1	06-19-1997	Boehringer Mannheim GmbH	
	B8	WO-98/16537-A1	04-23-1998	Astra Aktiebolag	
	B9	WO-98/25938-A1	06-18-1998	Astra Aktiebolag	
	B10	WO-00/02566-A1	01-20-2000	The University of Southern California	
	B11	WO-01/47511-A2	07-05-2001	The Regents of the University of California	
	B12	WO-01/95944-A2	12-20-2001	Mills, Randell L.	

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Sheet	3	of	28	Attorney Docket Number	RMI-017RCE

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue numbers), publisher, city and/or country where published.			T <sup>2</sup>
/M.C./	C1	Abuin, Elsa et al., "A Search for Luminescent Free Radical Recombination," <i>Photochemistry and Photobiology</i> , Vol. 30:59-66 (1979)			
/M.C./	C2	Adam, Waldemar et al., "Lack of Heavy Atom Effect on the Activation Parameters of Bromine Substituted 1,2-Dioxetanes," <i>Photochemistry and Photobiology</i> , Vol. 30:45-48 (1979)			
/M.C./	C3	Adams, Roger et al., "The Use of Oxalyl Chloride and Bromide for Producing Acid Chlorides, Acid Bromides or Acid Anhydrides. III," <i>Use of Oxalyl Chloride and Bromide</i> , pgs. 599-611 (1920)			
/M.C./	C4	Agarwal, Ram P. et al., "Adenosine Deaminase from Human Erythrocytes: Purification and Effects of Adenosine Analogs," <i>Biochemical Pharmacology</i> , Vol. 24:693-701 (1975)			
/M.C./	C5	Agarwal, Ram P. et al., "Tight-Binding Inhibitors - IV. Inhibition of Adenosine Deaminases by Various Inhibitors," <i>Biochemical Pharmacology</i> , Vol. 26:359-367 (1977)			
/M.C./	C6	Allen, Robert Charles, "Biochemiexcitation: Chemiluminescence and the Study of Biological Oxygenation Reactions," Chemical and Biological Generation of Excited States, Waldemar Adam (ed.), Academic Press, Chpt. 10, pgs. 309-344 (1982)			
/M.C./	C7	Alston, Theodore A. et al., "Reaction of <i>Lactobacillus</i> Histidine Decarboxylase with L-Histidine Methyl Ester," <i>Biochemistry</i> , Vol. 26:4082-4085 (1987)			
/M.C./	C8	Ando, Wataru et al., "Photosensitized Oxygenation of Carbonyl Stabilized Sulfur and Pyridinium Ylids, and Related Diazo Compounds. Carbon-sulfur and Nitrogen Bond Cleavages," <i>Photochemistry and Photobiology</i> , Vol. 30:81-87 (1979)			
/M.C./	C9	Arakawa, Hidetoshi et al., "Chemiluminescence Enzyme Immunoassay of 17 $\alpha$ -Hydroxyprogesterone Using Glucose Oxidase and Bis(2,4,6-Trichlorophenyl) Oxylate - Fluorescent Dye System," <i>Chem. P. harm. Bull.</i> , Vol. 30(8):3036-3039 (1982)			
/M.C./	C10	Asano, Tomiko et al., "Selective Inhibition of Separated Forms of Human Platelet Cyclic Nucleotide Phosphodiesterase by Platelet Aggregation Inhibitors," <i>Molecular Pharmacology</i> , Vol. 13:400-406 (1977)			
Examiner Signature	/Matthew Coughlin/			Date Considered	06/02/2010

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Sheet	4	of	28	First Named Inventor	Randell L. MILLS
				Art Unit	1626
				Examiner Name	F. Powers
				Attorney Docket Number	RMI-017RCE

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/M.C./	C11	Bailey, J.M. et al., "Synthesis and Antiviral Properties of Sterol Phosphonoformates," <i>Biochemical Society Transactions</i> , Vol. 22:353S (1994)			T <sup>2</sup>
/M.C./	C12	Baker, B.R., Design of Active-Site-Directed Irreversible Enzyme Inhibitors, <i>The Organic Chemistry of the Enzymic Active-Site</i> , John Wiley and Sons Inc., New York (1967)			
/M.C./	C13	Baker, B.R. et al., "Irreversible Enzyme Inhibitors. CII. On the Mode of Phenyl Binding of 9-PHENYLGUANINE to Guanine Deaminase and Xanthine Oxidase," <i>J. Med. Chem.</i> , Vol. 10(6):1101-1105 (1967)			
/M.C./	C14	Baker, B.R. et al., "Irreversible Enzyme Inhibitors. CVIII. 6-( <i>p</i> -Chloroacetylaminomethyl)-5-( <i>p</i> -chlorophenyl)-2,4-diaminopyrimidine, an Active-Site-Directed Irreversible Inhibitor of Dihydrofolic Reductase," <i>J. Med. Chem.</i> , Vol. 10(6):1134-1138 (1967)			
/M.C./	C15	Baker, B.R. et al., "Irreversible Enzyme Inhibitors. XCV. 8-( <i>m</i> -Bromoacetylaminobenzylthio)hypoxanthine, an Active-Site-Directed Irreversible Inhibitor of Xanthine Oxidase," <i>J. Med. Chem.</i> , Vol. 10(4):682-685 (1967)			
/M.C./	C16	Baker, B.R. et al., "p-(2,6-Daimino-1,2-dihydro-2,2-dimethyl-s-triazin-1-yl)phenylpropionylsulfanilyl Fluoride, an Active-Site-Directed Irreversible Inhibitor of Dihydrofolic Reductase. III. Effects of Modification of the Propionamide Bridge on Isozyme Specificity," <i>J. Med. Chem.</i> , Vol. 11:666-672 (1968)			
/M.C./	C17	Baldessarini, Ross J. et al., "Inhibition of Catechol-O-Methyl Transferase by Catechols and Polyphenols," <i>Biochemical Pharmacology</i> , Vol. 22:247-256 (1973)			
/M.C./	C18	Baldwin, J. J. et al., "4-Trifluoromethylimidazoles and 5-(4-Pyridyl)-1,2,4-Triazoles, New Classes of Xanthine Oxidase Inhibitors," <i>Journal of Medicinal Chemistry</i> , Vol. 18(9):895-900 (1975)			
/M.C./	C19	Beard, Nicol A. et al., "Cardiotonic Steroids: Correlation of Sodium-Potassium Adenosine Triphosphate Inhibition and Ion Transport <i>In vitro</i> with Inotropic Activity and Toxicity in Dogs," <i>Br. J. Pharmac.</i> , Vol. 54:65-74 (1975)			
/M.C./	C20	Bechara, Etelvino J.H. et al., "Peroxidase Catalyzed Generation of Triplet Acetone," <i>Photochemistry and Photobiology</i> , Vol. 30:101-110 (1979)			

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Sheet	5	of	28	Attorney Docket Number	RMI-017RCE

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/M.C./	C21	Becker, Yechiel, "Antiviral Agents from Natural Sources," <i>Pharmac. Ther.</i> , Vol. 10:119-159 (1980)			
/M.C./	C22	Berger, A.W. et al., "A Survey of Chemiluminescence in Base-Catalyzed Autoxidation Reactions," <i>Photochemistry and Photobiology</i> , Vol. 4:1123-1127 (1965)			
/M.C./	C23	Bergstrand, Håkan et al., "Effects of Antiallergic Agents, Compound 48/80, and Some Reference Inhibitors on the Activity of Partially Purified Human Lung Tissue Adenosine Cyclic 3',5'-Monophosphate and Guanosine Cyclic 3',5'-Monophosphate Phosphodiesterases," <i>Molecular Pharmacology</i> , Vol. 13:38-43 (1977)			
/M.C./	C24	Bernal, Samuel D. et al., "Anticarcinoma Activity in vivo of Rhodamine 123, a Mitochondrial-Specific Dye," <i>Science</i> , Vol. 222:169-172 (1983)			
/M.C./	C25	Bermudez, Michael J., "Inositol Triphosphate and Diacylglycerol: Two Interacting Second Messengers," <i>Ann. Rev. Biochem.</i> , Vol. 56:159-193 (1987)			
/M.C./	C26	Bertelli, A. et al., "Cyclic AMP and Cyclic GMP in Rats Paw Edema by Prostaglandins," <i>Experientia</i> , Vol. 32(3):361-362 (1976)			
/M.C./	C27	Bloxham, David P. et al., "Selective Inhibition of Cholesterol Synthesis by Cell-Free Preparations of Rat Liver by Using Inhibitors of Cytoplasmic Acetoacetyl-Coenzyme A Thiolase," <i>Biochem. J.</i> , Vol. 147:531-539 (1975)			
/M.C./	C28	Bogdan, Denis J. et al., "Formation and Chemiluminescent Decomposition of Dioxetanes in the Gas Phase," <i>Photochemistry and Photobiology</i> , Vol. 30:3-15 (1979)			
/M.C./	C29	Borchardt, Ronald T. et al., "Potential Inhibitors of S-Adenosylmethionine-Dependent Methyltransferases. 3. Modifications of the Sugar Portion of S-Adenosylhomocysteine," <i>Journal of Medicinal Chemistry</i> , Vol. 18(3):300-304 (1975)			
/M.C./	C30	Bowen, E.J. et al., "Chemiluminescence of Solutions," Luminescence in Chemistry, D. Van Nostrand Company, Ltd., London, Chpt. 9, pgs. 183-190 (1968)			

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Sheet	6	of	28	First Named Inventor	Randell L. MILLS
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/M.C./	C31	Brady, R.O., "Studies of inhibitors of fatty acid biosynthesis. III. Mechanism of action of tetrolyl-coenzyme A," <i>Biochim. Biophys. Acta</i> , Vol. 70:467-468 (1963)			
/M.C./	C32	Brasen, W.R. et al., "2-Methylbenzylidimethylamine (Benzylamine, N, N, o-trimethyl-)," <i>Organic Syntheses</i> , Vol. 4:585-590 (1952)			
/M.C./	C33	Bricker, Lee A. et al., "Evidence for Regulation of Cholesterol and Fatty Acid Synthesis in Liver by Cyclic Adenosine 3',5'-Monophosphate," <i>The Journal of Biological Chemistry</i> , Vol. 247(15):4914-4915 (1972)			
/M.C./	C34	Bryan, L.E. et al., "Streptomycin Accumulation in Susceptible and Resistant Strains of <i>Escherichia coli</i> and <i>Pseudomonas aeruginosa</i> ," <i>Antimicrobial Agents and Chemotherapy</i> , Vol. 9(6):928-938 (1976)			
/M.C./	C35	Bullen, J.J. et al., "The Abolition of the Protective Effect of <i>Clostridium welchii</i> Type A Antiserum by Ferric Iron," <i>Immunology</i> , Vol. 12:303-312 (1967)			
/M.C./	C36	Burghuber, Otto C. et al., "Leukotriene Inhibitors Attenuate Rat Lung Injury Induced by Hydrogen Peroxide," <i>Am. Rev. Respir. Dis.</i> , Vol. 131:778-785 (1985)			
/M.C./	C37	Buu, N.T. et al., "Biological Actions <i>In vivo</i> and <i>In Vitro</i> of Two $\gamma$ -Aminobutyric Acid (GABA) Analogues: $\beta$ -Chloro GABA and $\beta$ -Phenyl GABA," <i>Br. J. Pharmac.</i> , Vol. 52:401-406 (1974)			
/M.C./	C38	Cabib, Enrico, "The Synthesis and Degradation of Chitin," <i>Advances in Enzymology and Related Areas of Molecular Biology</i> , John Wiley & Sons, New York. Alton Meister (ed.), Vol. 59:59-101 (1987)			
/M.C./	C39	Caplus Accession Number 1995:705748, Mills, Randell L., "Prodrugs for selective drug delivery," Document No: 123:296612 1995			
/M.C./	C40	Caplus Accession Number 1996:422187, Suzuki, Kazunari et al., "Ageing-preventing skin preparations containing water-soluble retinol derivatives," Document No. 125:67247 1996			

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/M.C./	C41	Capius Accession Number 1990:584733, Mills, Randell L., "Luminide and macroluminide class of pharmaceuticals," Document No. 113:184733 1990			T <sup>2</sup>
/M.C./	C42	Carlén, Steven C. et al., "Quinazoline Antifolates as Inhibitors of Growth, Dihydrofolate Reductase, and Thymidylate Synthetase of Mouse Neuroblastoma Cells in Culture," <i>Molecular Pharmacology</i> , Vol. 10:194-203 (1974)			
/M.C./	C43	Caroline, Leona et al., "Reversal of Serum Fungistasis by Addition of Iron," <i>The Journal of Investigative Dermatology</i> , Vol. 42:415-419 (1964)			
/M.C./	C44	Catignani, George L. et al., "Studies of the Inhibition of Dopamine $\beta$ Hydroxylase by Thiono-sulfur Containing Compounds," <i>Life Sciences</i> , Vol. 16:1915-1922 (1975)			
/M.C./	C45	Chen, Frederick W.K. et al., "The Effect of 15 (R) 15 Methyl Prostaglandin E2 on Gastric Acid Secretion in Duodenal Ulcer Patients," <i>Prostaglandins</i> , Vol. 13(1):115-124 (1977)			
/M.C./	C46	Chignard, Michel et al., "Synthesis of Thromboxane A <sub>2</sub> by Non-aggregating Dog Platelets Challenged with Arachidonic Acid or with Prostaglandin H <sub>2</sub> ," <i>Prostaglandins</i> , Vol. 14(2):222-240 (1977)			
/M.C./	C47	Chiou, C.Y. et al., "Studies on the Mechanism of Action of a New Ca <sup>2+</sup> Antagonist, 8-(N,N-Diethylamino)Octyl 3,4,5-Trimethoxybenzoate Hydrochloride in Smooth and Skeletal Muscles," <i>Br. J. Pharmac.</i> , Vol. 53:279-285 (1975)			
/M.C./	C48	Coleman, Joseph E., "Carbonic Anhydrase-Azosulfonamide Complexes," <i>The Journal of Biological Chemistry</i> , Vol. 243(17):4574-4587 (1968)			
/M.C./	C49	Collins, Kim D., "An Activated Intermediate Analogue," <i>The Journal of Biological Chemistry</i> , Vol. 249(1):136-142 (1974)			
/M.C./	C50	Collins, Kim D. et al., "Aspartate Transcarbamylase," <i>The Journal of Biological Chemistry</i> , Vol. 246(21):6599-6605 (1971)			

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				Examiner Name	F. Powers
				Attorney Docket Number	RMI-017RCE

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/M.C./	C51	Counsell, R.E. et al., "Aromatic Amino Acid Hydroxylase Inhibitors. 1. Halogenated Phenylalanines," <i>Journal of Medicinal Chemistry</i> , Vol. 13(6):1040-1042 (1970)			
/M.C./	C52	Coward, James K. et al., "The Synthesis of Transition State Analogs as Potential Specific Inhibitors of Group Transfer Enzymes," <i>Drug Action and Design: Mechanism-Based Enzyme Inhibitors</i> , Proceedings of the Twentieth Annual Medicinal Chemistry Symposium, pgs. 13-26 (1979)			
/M.C./	C53	Cushman, D.W. et al., "Effect of Substrate Concentration on Inhibition of Prostaglandin Synthetase of Bull Seminal Vesicles by Anti-inflammatory Drugs and Fenamic Acid Analogs," <i>Biochimica et Biophysica Acta</i> , Vol. 424:449-459 (1976)			
/M.C./	C54	Dalton, Colin et al., "Prostaglandin Inhibition of Cyclic-AMP Accumulation and Rate of Lipolysis in Fat Cells," <i>Prostaglandins</i> , Vol. 7(4):319-326 (1974)			
/M.C./	C55	D'Amato, Richard F. et al., "Rapid Manual and Mechanized/Automated Methods for the Detection and Identification of Bacteria and Yeasts," <i>Manual of Clinical Microbiology</i> , Fourth Edition, American Society for Microbiology, Washington, Edwin H. Lennette (ed.), Chpt. 6:52-65 (1985)			
/M.C./	C56	Dawes, Edwin A., "Energy Conservation in Chemoheterotrophic Aerobic Metabolism," <i>Microbial Energetics</i> , Blackie & Son Limited, Glasgow, Chpt. 7:81-93 (1986)			
/M.C./	C57	de Clercq, Erik et al., "Fluorourimidazoles as Antiviral Agents and Inhibitors of Polynucleotide Biosynthesis," <i>Life Sciences</i> , Vol. 17:187-194 (1975)			
/M.C./	C58	Deibel, Martin R. Jr. et al., "Effect of Adenosine Deaminase Inhibitors on the Apparent Rate of Phosphorylation of Deoxyadenosine," <i>Biochemical Medicine</i> , Vol. 25:288-297 (1981)			
/M.C./	C59	Demain, Arnold L., "A New Era of Exploitation of Microbial Metabolites," <i>Biochem. Soc. Symp.</i> , Vol. 48:117-132 (1983)			
/M.C./	C60	Diliberto, Emanuel J. Jr. et al., "Mechanism and Kinetics of the Inhibition of Dopamine-β-Hydroxylase by 2-Mercaptoethylguanidine," <i>Biochemical Pharmacology</i> , Vol. 22:2961-2972 (1973)			

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/M.C./	C61	D'Iorio, A. et al., "In Vitro Effects of Substituted Iodophenols on Catechol-O-Methyltransferase," <i>Canadian Journal of Biochemistry and Physiology</i> , Vol. 41:1779-1784 (1963)			
/M.C./	C62	Dixon, Malcolm et al., <i>Enzymes</i> , Third Edition, Longman Group Limited, London, pg. 407 (1979)			
/M.C./	C63	Downing, Donald T. et al., "Enzyme Inhibition by Acetylenic Compounds," <i>Biochemical and Biophysical Research Communications</i> , Vol. 40(1):218-223 (1970)			
/M.C./	C64	Dreyer, John F. Jr., "Development of an Irreversible Photo-Thermosensitive Ophthalmic Nuclear Flash Protective Window Device," Polacoat Inc., Tech Report SEG-TR-65-50, pgs. 1-40 (1965)			
/M.C./	C65	Dreyer, John F., "Feasibility Study and Design of a Self-Attenuating Light Valve," Polacoat Incorporated, Wadd Technical Report 60-827, pgs. 1-20 (1961)			
/M.C./	C66	Dreyer, John F. et al., "Investigation of Materials and Systems for Protection Against Flashblindness Effects of Nuclear Detonations (Phase 1)," Clothing and Organic Materials Laboratory, U.S. Army Natick Laboratories, Technical Report 68-38-CM, pgs. 1-5 (1968)			
/M.C./	C67	Dreyer, John F., "Self-Attenuating Ophthalmic Filter," Polacoat Incorporated, Wadd Technical Report 60-632, pgs. 1-89 (1961)			
/M.C./	C68	Dreyer, John F. et al., "The Fixing of Molecular Orientation," <i>The Journal of Physical &amp; Colloid Chemistry</i> , Vol. 52(5):808-810 (1948)			
/M.C./	C69	Duggan, D.E. et al., "3,5-Disubstituted 1,2,4-Triazoles, a New Class of Xanthine Oxidase Inhibitor," <i>Journal of Medicinal Chemistry</i> , Vol. 18(9):900-905 (1975)			
/M.C./	C70	Dulin, William E. et al., "Effects of 3,5-Dimethylisoxazole (U-21221) on Fat Metabolism," <i>Proc. Soc. Exp. Biol. Med.</i> , Vol. 118:499-501 (1965)			

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/M.C./	C71	Dulin, William E. et al., "Effects of 5-Carboxy-3-Methylisoxazole on Carbohydrate and Fat Metabolism," <i>Proc. Soc. Exp. Biol. Med.</i> , Vol. 121(3):777-779 (1966)			
/M.C./	C72	Edwards, John O. et al., "On the Formation and Reactivity of Dioxirane Intermediates in the Reaction of Peroxoanions with Organic Substrates," <i>Photochemistry and Photobiology</i> , Vol. 30:63-70 (1979)			
/M.C./	C73	El Masy, Ahmed et al., "Aromatic Amino Acid Hydroxylase Inhibitors. 4. 3-Substituted $\alpha$ -Methyltryptosines," <i>Journal of Medicinal Chemistry</i> , Vol. 18(1):16-20 (1975)			
/M.C./	C74	Ellenbogen, Leon et al., "Inhibition of histidine dcarboxylase by benzyl and aliphatic aminoxyamines," <i>Biochemical Pharmacology</i> , Vol. 18:683-685 (1969)			
/M.C./	C75	Ellenbogen, Leon et al., "Studies on the Inhibition of Histidine Decarboxylase, Aromatic-L-Amino Acid Decarboxylase and Acid Secretion by Brocosine and its Metabolites," <i>Biochemical Pharmacology</i> , Vol. 22:939-947 (1973)			
/M.C./	C76	Evans, D.P. et al., "Inhibition of Immediate Hypersensitivity Reactions in Laboratory Animals by a Phenanthroline Salt (ICI 74,917)," <i>Br. J. Pharmac.</i> , Vol. 53:409-418 (1975)			
/M.C./	C77	Ewetz, L. et al., "Factors Affecting the Specificity of the Luminescent Reaction with Hematin Compounds," <i>Analytical Biochemistry</i> , Vol. 71:564-570 (1976)			
/M.C./	C78	Falcon, M.G. et al., "Antiviral Activity in the Rabbit Cornea of Adenine Arabinoside, Ara-A 5' Monophosphate, and Hypoxanthine Arabinoside; and Interactions with Adenosine Deaminase Inhibitor," <i>J. gen. Virol.</i> , Vol. 36:199-202 (1977)			
/M.C./	C79	Fäldt, J. et al., "Activation of human neutrophils by mycobacterial phenolic glycolipids," <i>Clin. Exp. Immunol.</i> , Vol. 118:253-260 (1999)			
/M.C./	C80	Fall, R. Ray et al., "Purification and Properties of Kaurene Synthetase from <i>Fusarium moniliforme</i> ," <i>The Journal of Biological Chemistry</i> , Vol. 246(22):6913-6928 (1971)			

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/M.C./	C81	Fears, R., "Pharmacological Control of 3-Hydroxy-3-Methylglutaryl-Coenzyme a Reductase Activity," <i>3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase</i> , John R. Sabine (ed.) CRC Press, Inc., Boca Raton, Chpt. 14:189-208 (1983)			T <sup>2</sup>
/M.C./	C82	Ferone, Robert et al., "Dihydrofolate Reductase from Pyrimethamine-resistant <i>Plasmodium berhei</i> ," <i>The Journal of Biological Chemistry</i> , Vol. 245(4):850-854 (1970)			
/M.C./	C83	Ferraccioli, Gianfranco et al., "Hypouricemic Action of Diflunisal in Gouty Patients: <i>In Vitro</i> and <i>In Vivo</i> Studies," <i>The Journal of Rheumatology</i> , Vol. 11:330-332 (1984)			
/M.C./	C84	Fimognani, Grace M. et al., "Substrate-Competitive Inhibition of Bacterial Mevalonate:Nicotinamide-Adenine Dinucleotide Oxidoreductase (acylating CoA)," <i>Biochemistry</i> , Vol. 4(10):2086-2090 (1965)			
/M.C./	C85	Fletcher, J. et al., "The Effect of Parenteral Iron Preparations on Experimental Pyelonephritis," <i>Br. J. Exp. Path.</i> , Vol. 51:280-285 (1970)			
/M.C./	C86	Förster, Th., "Excitation Transfer," <i>Comparative Effects of Radiation</i> , John Wiley & Sons, Inc., New York, Chpt. 13:300-341 (1960)			
/M.C./	C87	Free, Charles A. et al., "Mechanism of Inhibition of Histidine Dendarboxylase by Rhodanines," <i>Biochemical Pharmacology</i> , Vol. 20:1421-1428 (1971)			
/M.C./	C88	Froesch, E.R. et al., "Effects of 5-Methylpyrazole-3-Carboxylic Acid on Adipose Tissue. I. Inhibition of Lipolysis, Effects on Glucose, Fructose, and Glycogen Metabolism <i>In Vitro</i> and Comparison with Insulin," <i>Mol. Pharmacol.</i> , Vol. 3:429-441 (1967)			
/M.C./	C89	Fuller, Ray W. et al., "Inhibition of methyltransferases by some new analogs of S-adenosylhomocysteine," <i>Biochemical Pharmacology</i> , Vol. 27:1981-1983 (1978)			
/M.C./	C90	Fuller, Ray W. et al., "Norepinephrine N-Methyltransferase Inhibition by Benzamidines, Phenylacetamidines, Benzylguanidines, and Phenylethylguanidines," <i>Journal of Medicinal Chemistry</i> , Vol. 18(3):304-307 (1975)			

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/M.C./	C91	Gale, Glen R. et al., "Synthesis of Additional Arylhydroxamic Acids Which Inhibit Nucleic Acid Biosynthesis <i>In Vitro</i> ," <i>Journal of Medicinal Chemistry</i> , Vol. 13(3):571-574 (1970)		
/M.C./	C92	Gale, E.F. et al., <i>The Molecular Basis of Antibiotic Action</i> , John Wiley & Sons, London, pgs. 258-401 (1972)		
/M.C./	C93	Gaub, Johannes et al., "The Effect of Foscarnet (Phosphonoformate) on Human Immunodeficiency Virus Isolation, T-Cell Subsets and Lymphocyte Function in AIDS Patients," <i>AIDS</i> , Vol. 1:27-33 (1987)		
/M.C./	C94	Gel'man, Nina S. et al., "Special Features of the Bacterial Respiratory Chain," <i>Respiration and Phosphorylation of Bacteria</i> , Plenum Press, New York, Gifford B. Pinchot (ed.), pgs. 140-159 (1967)		
/M.C./	C95	Glamkowski, Edward J. et al., "A New Class of Potent Decarboxylase Inhibitors. $\beta$ -(3-Indolyl)- $\alpha$ -hydrazinopropionic Acids," <i>J. Am. Chem. Soc.</i> , Vol. 10:852-855 (1967)		
/M.C./	C96	Gorman, Robert R. et al., "A Selective Thromboxane Synthetase Inhibitor Blocks the cAMP Lowering Activity of PGH <sub>2</sub> ," <i>Biochemical and Biophysical Research Communications</i> , Vol. 79(1):305-313 (1977)		
/M.C./	C97	Gorsuch, John Douglas, "Studies of the Chemiluminescence of Luminol," MIT Ph.D Thesis (1969)		
/M.C./	C98	Guldberg, Hans C. et al., "Guldberg - Catechol-O-Methyl Transferase Pharmacological Aspects and Physiological Role," <i>Pharmacological Reviews</i> , Vol. 27(2):135-206 (1975)		
/M.C./	C99	Gunther, Francis A. et al., <i>Analysis of Insecticides and Acaricides</i> , Interscience Publishers, Inc., New York, Vol. VI, pgs. 401-404 (1955)		
/M.C./	C100	Hare, L.E. et al., "Aromatic Amino Acid Hydroxylase Inhibitors. 3. <i>In Vitro</i> Inhibition by Azadopamine Analogs," <i>Journal of Medicinal Chemistry</i> , Vol. 17(1):1-5 (1974)		

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/M.C./	C101	Hartman, William J. et al., "Competitive Inhibition of 3,4-Dihydroxyphenyl-Alanine (DOPA) Decarboxylase <i>In Vitro</i> ," <i>J. Biol. Chem.</i> , Vol. 216:507-529 (1955)			T <sup>2</sup>
/M.C./	C102	Hashiguchi, Hideo et al., "Inhibition of Two Copper-Containing Enzymes, Tyrosinase and Dopamine $\beta$ -Hydroxylase, by L-Mimosine," <i>Molecular Pharmacology</i> , Vol. 13:362-367 (1977)			
/M.C./	C103	Hashimoto, Takashi et al., "Liver Acetyl-Coenzyme-A Carboxylase. Studies on Kynurenate Inhibition, Isotope Exchange and Interaction of the Uncarboxylated Enzyme with Citrate," <i>Eur. J. Biochem.</i> , Vol. 24:128-139 (1971)			
/M.C./	C104	Hidaka, Hiroyoshi et al., "Analogues of Fusaric (5-Butylpicolinic) Acid as Potent Inhibitors of Dopamine $\beta$ -Hydroxylase," <i>Molecular Pharmacology</i> , Vol. 9:172-177 (1973)			
/M.C./	C105	Hidaka, Hiroyoshi, "Fusaric (5-Butylpicolinic) Acid, an Inhibitor of Dopamine $\beta$ -Hydroxylase, affects Serotonin and Noradrenaline," <i>Nature</i> , Vol. 231:54-55 (1971)			
/M.C./	C106	Hidaka, Hiroyoshi et al., "Isoquinolinesulfonamides, Novel and Potent Inhibitors of Cyclic Nucleotide Dependent Protein Kinase and Protein Kinase C," <i>Biochemistry</i> , Vol. 23:5036-5041 (1984)			
/M.C./	C107	Hidaka, Hiroyoshi et al., "Selective Inhibition of Dopamine- $\beta$ -Hydroxylase in the Peripheral Tissues by 5-Dimethylthiocarbamylpicolinic Acid; It's Effect on Stress-induced Ulcer, Ethanol-induced Sleep and Blood Pressure," <i>The Journal of Pharmacology and Experimental Therapeutics</i> , Vol. 191(3):384-392 (1974)			
/M.C./	C108	Hillcoat, B.L. et al., "Dihydrololate Reductase from the L1210 R Murine Lymphoma," <i>The Journal of Biological Chemistry</i> , Vol. 242(20):4777-4781 (1967)			
/M.C./	C109	Hodgson, Herbert H., "The Structures of Hantzsch's Isomeric Diazocyanides. A Reaffirmation of the Structural as opposed to the Geometrical Viewpoint, with a Critical Review of the Properties of the Alleged cis-Azobenzene," <i>Am. Chem. Soc.</i> , Vol. 26:1097-1104 (1948)			
/M.C./	C110	Hornych, A., "Role of Prostaglandins in Control of Blood Pressure," <i>Prostaglandin Synthetase Inhibitors: New Clinical Applications</i> , Alan R. Liss, Inc., New York, pgs. 231-256 (1980)			

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/M.C./	C111	Humphrey, Stuart M. et al., "Influence of Inhibitors of ATP Catabolism on Myocardial Recovery after Ischemia," <i>Journal of Surgical Research</i> , Vol. 43:187-195 (1987)			T <sup>2</sup>
/M.C./	C112	Huszti, Zsuzsanna et al., "Inhibition of Histidine Decarboxylation <i>In Vivo</i> by 2-Hydroxy-5-Carbomethoxybenzylxymamine, a New, Potent Inhibitor of Histidine Decarboxylase," <i>The Journal of Pharmacology and Experimental Therapeutics</i> , Vol. 192(2):432-440 (1975)			
/M.C./	C113	Inagaki, Masaki et al., "N-(2-Aminoethyl)-5-isouquinolinesulfonamide, a Newly Synthesized Protein Kinase Inhibitor, Functions as a Ligand in Affinity Chromatography," <i>The Journal of Biological Chemistry</i> , Vol. 260(5):2922-2925 (1985)			
/M.C./	C114	Ito, Yoshikatsu et al., "Thermal and Photosensitized and Decomposition of Dimeric Valerenophenone Peroxide Formed by Ozonation of Valerenophenone Oxime Ether," <i>Photochemistry and Photobiology</i> , Vol. 30:53-57 (1979)			
/M.C./	C115	Iversen, L.L. et al., "GABA Uptake in Rat Central Nervous System: Comparison of Uptake in Slices of Homogenates and the Effects of Some Inhibitors," <i>Journal of Neurochemistry</i> , Vol. 18:1939-1950 (1971)			
/M.C./	C116	Iwai, Hajime, "Inhibition of Protein Kinase and Cyclic AMP Phosphodiesterase by Entadenine Isoamyl Ester," <i>J. Biochem.</i> , Vol. 76:419-429 (1974)			
/M.C./	C117	Iwata, H. et al., "Potent xantine oxidase inhibitors-4(or 5)-diazoimidazole-5(or 4)-carboxamide and two related compounds," <i>Biochemical Pharmacology</i> , Vol. 18:955-957 (1969)			
/M.C./	C118	Iwata, Heitaro et al., "Studies on the Mechanism of Inhibition of Xanthine Oxidase by 5-Diazoimidazole-4-Carboxamide and Related Thioazooimidazole Carboxamides," <i>Biochemical Pharmacology</i> , Vol. 22:1845-1854 (1973)			
/M.C./	C119	Johns, D.G. et al., "Quinazoline antifolates as inhibitors of dihydrofolate reductase from human leukemia cells," <i>Biochemical Pharmacology</i> , Vol. 19:1528-1533 (1970)			
/M.C./	C120	Johnson, G.A. et al., "Inhibition of Dopamine $\beta$ -Hydroxylase by Aromatic and Alkyl Thioureas," <i>The Journal of Pharmacology and Experimental Therapeutics</i> , Vol. 168(2):229-234 (1969)			

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Sheet	15	of	28	First Named Inventor	Randell L. MILLS
				Art Unit	1626
				Examiner Name	F. Powers
				Attorney Docket Number	RMI-017RCE

NON PATENT LITERATURE DOCUMENTS					
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/M.C./	C121	Johnston, G.A.R. et al., "Glycine Uptake in Rat Central Nervous System Slices and Homogenates: Evidence for Different Uptake Systems in Spinal Cord and Cerebral Cortex," <i>Journal of Neurochemistry</i> , Vol. 18:1951-1961 (1971)			
/M.C./	C122	Johnston, G.A.R. et al., "Inhibition of the Uptake of GABA and Related Amino Acids in Rat Brain Slices by the Optical Isomers of Nicotic Acid," <i>Journal of Neurochemistry</i> , Vol. 26:1029-1032 (1976)			
/M.C./	C123	Jung, Michel J. et al., "Catalytic Inhibition of $\gamma$ -Aminobutyric Acid - $\alpha$ -Ketoglutarate Transaminase of Bacterial Origin by 4-Aminohex-5-Ynoic Acid, a Substrate Analog," <i>Biochemical and Biophysical Research Communications</i> , Vol. 67(1):301-306 (1975)			
/M.C./	C124	Jung, M.J., "Design, Biochemistry and Pharmacology of Enzyme-Activated Irreversible Inhibitors of GABA-Aminotransferase," Enzyme Inhibitors, Proceedings of a Meeting held in Basel, Switzerland, on 20 and 21 March 1980 pgs. 85-95			
/M.C./	C125	Kamiya, Isao et al., "Excited Singlet and Triplet Products Generated from Oxidation of the -CO-CH <sub>2</sub> - Containing Molecules," <i>Photochemistry and Photobiology</i> , Vol. 30:49-52 (1979)			
/M.C./	C126	Kandutsch, Andrew A. et al., "Inhibition of Sterol Synthesis in Cultured Mouse Cells by 7 $\alpha$ -Hydroxycholesterol, 7 $\beta$ -Hydroxycholesterol, and 7-Ketocholesterol," <i>The Journal of Biological Chemistry</i> , Vol. 248(24):8408-8417 (1973)			
/M.C./	C127	Kandutsch, Andrew A. et al., "Inhibition of Sterol Synthesis in Cultured Mouse Cells by Cholesterol Derivatives Oxygenated in the Side Chain," <i>The Journal of Biological Chemistry</i> , Vol. 249(19):6057-6061 (1974)			
/M.C./	C128	Kasha, M., "Commentary on Long-Range Energy Transfer with Z-dependence. Triplet-Triplet Exciton Energy Transfer," <i>Photochemistry and Photobiology</i> , Vol. 30:185-186 (1979)			
/M.C./	C129	Kattlove, Herman E., "Primary Platelet Aggregation Energy Metabolism and the Effect of Inhibitors," <i>Biochimica et Biophysica Acta</i> , Vol. 372:135-140 (1974)			
/M.C./	C130	Kessel, David et al., "Antitumor Effects of Bis-Thiocomcarbazones, Inhibition of Deoxyribonucleic Acid Synthesis <i>In Vitro</i> ," <i>Biochemical Pharmacology</i> , Vol. 24:133-137 (1975)			

Examiner Signature	/Matthew Coughlin/	Date Considered	06/02/2010
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/M.C./	C131	Khwaja, Tasneem A. et al., "8-Substituted Derivatives of Adenosine 3',5'-Cyclic Phosphate Require an Unsubstituted 2'-Hydroxyl Group in the Ribo Configuration for Biological Activity," <i>Biochemistry</i> , Vol. 14(19):4238-4244 (1975)			
/M.C./	C132	Kini, Ganesh D. et al., "Alkoxy propane prodrugs of foscarnet: effect of alkyl chain length on in vitro antiviral activity in cells infected with HIV-1, HSV-1 and HCMV," <i>Antiviral Research</i> , Vol. 36:43-53 (1997)			
/M.C./	C133	Kobayashi, Kazuo et al., "Isolation and Inhibitory Activity of Gabaculine, a New Potent Inhibitor of $\gamma$ -Aminobutyrate AMinotransferase Produced by Streptomyces," <i>FEBS Letters</i> , Vol. 76(2):207-210 (1977)			
/M.C./	C134	Kochan, Ivan, "The Role of Iron in Bacterial Infections, with Special Consideration of Host-Tubercle Bacillus Interaction," <i>Current Topics in Microbiology and Immunology</i> , W. Arber (ed.) Springer-Verlag, Berlin, Vol. 60:1-30 (1973)			
/M.C./	C135	Kollonitsch, J. et al., "Selective inhibitors of biosynthesis of aminergic neurotransmitters," <i>Nature</i> , Vol. 274:906-908 (1978)			
/M.C./	C136	Kondo, Tatsumei et al., "A Miniature Glucose Sensor, Implantable in the Blood Stream," <i>Diabetes Care</i> , Vol. 5(3):218-221 (1982)			
/M.C./	C137	Ku, Edmond C. et al., "Diclofenac Sodium (GP 45840, Voltaren), a Potent Inhibitor of Prostaglandin Synthetase," <i>Biochemical Pharmacology</i> , Vol. 24:641-643 (1975)			
/M.C./	C138	Kulkarni, Prasad S. et al., "N-0164 Inhibits Generation of Thromboxane-A2-Like Activity from Prostaglandin Endoperoxides by Human Platelet Microsomes," <i>Prostaglandins</i> , Vol. 12(3):465-469 (1976)			
/M.C./	C139	Kupiecki, F.P. et al., "Effects of 5-Methylpyrazole-3-Carboxylic Acid (U-19425) and Nicotinic Acid on Lipolysis <i>In Vitro</i> and <i>In Vivo</i> and on Cyclic-3',5'-AMP Phosphodiesterase," <i>The Journal of Pharmacology and Experimental Therapeutics</i> , Vol. 160(1):166-170 (1968)			
/M.C./	C140	Kypson, Jindrich et al., "Effects of Uridine and Inosine on Glucose Metabolism in Skeletal Muscle and Activated Lipolysis in Adipose Tissue," <i>The Journal of Pharmacology and Experimental Therapeutics</i> , Vol. 199(3):565-574 (1976)			

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/M.C./	C141	LaFon, Stephen W. et al., "Inosine Analogs, Their Metabolism in Mouse L Cells and in <i>Leishmania Donovanii</i> ," <i>The Journal of Biological Chemistry</i> , Vol. 260(17):9660-9665 (1985)			T <sup>2</sup>
/M.C./	C142	Lampidis, Theodore J. et al., "Selective Toxicity of Rhodamine 123 in Carcinoma Cells <i>In Vitro</i> ," <i>Cancer Research</i> , Vol. 43:718-720 (1983)			
/M.C./	C143	Layton, Derek et al., "Suramin: A Potent Inhibitor of the Calcium Transport in Sarcoplasmic Reticulum," <i>Biochemical and Biophysical Research Communications</i> , Vol. 59(1):322-325 (1974)			
/M.C./	C144	Legg, Kenneth D., "The Chemiluminescence of Luciferin," <i>MIT Ph.D Thesis</i> (1969)			
/M.C./	C145	Leinweber, Franz-J. et al., "Mechanism of Inhibition of Histamine Synthesis in the Rat: Two Specific Gastric Histidine Decarboxylase," <i>Molecular Pharmacology</i> , Vol. 6:146-155 (1969)			
/M.C./	C146	Levit, Morton et al., "A New Class of Tyrosine Hydroxylase Inhibitors and a Simple Assay of Inhibition <i>In Vivo</i> ," <i>Biochemical Pharmacology</i> , Vol. 16:1313-1321 (1967)			
/M.C./	C147	Lienhard, Gustav E., "Enzymatic Catalysis and Transition-State Theory," <i>Science</i> , Vol. 180:149-180 (1973)			
/M.C./	C148	Lippman, Richard D., "Site-specific Chemiluminescent Probes Used in the Analysis of pH, Peroxidation and Free Radicals Internally in Metabolically Active Organelles," <i>Bioluminescence and Chemiluminescence</i> , Marlene A. DeLuca (ed.) Academic Press, New York, pgs. 373-381 (1981)			
/M.C./	C149	Lippmann, W. et al., "Dopamine-β-Hydroxylase Inhibition by Dimethylidithiocarbamate and Related Compounds," <i>Biochemical Pharmacology</i> , Vol. 18:2507-2516 (1969)			
/M.C./	C150	Lippmann, W., "Inhibition of Beef Heart and Rat Brain Nucleoside-3'5'-Monophosphate Phosphodiesterase by 3β-14-Dihydroxy-21-oxo-23-desoxy-5-β-card-20(22)-enolide 3-acetate (AY-17,605) and Structurally Related Compounds," <i>Experientia</i> , Vol. 30(3):237-239 (1974)			

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/M.C./	C151	Lippmann, W., "Oral Antigastric Acid Secretory Activity of Synthetic Prostaglandin Analogues (9-Oxoprostanoid Acids)," <i>Experientia</i> , Vol. 29(8):990-991 (1973)			T <sup>2</sup>
/M.C./	C152	Lippmann, W. et al., "Oral Anti-Ulcer Activity of a Synthetic Prostaglandin Analogue (9-Oxoprostanoid Acid; AY-22,469)," <i>Experientia</i> , Vol. 29(8):993-995 (1973)			
/M.C./	C153	Loeb, Lawrence A. et al., "Inhibitors of Mammalian DNA Polymerases: Possible Chemotherapeutic Approaches," Inhibitors of DNA and RNA Polymerases, Prem S. Sarin (ed.) Pergamon Press, Oxford, Chpt. 2:27-45 (1980)			
/M.C./	C154	Lorenz, W., et al., "In Vitro Hemmung der Histidinedcarboxylasen Durch Antithyreoidale Substanzen," <i>Biochemical Pharmacology</i> , Vol. 17:539-549 (1968)			
/M.C./	C155	Lowenstein, John M. et al., "Effect of (-)-Hydroxyoctanoate on Fatty Acid Synthesis by Rat Liver <i>in Vivo</i> ," <i>The Journal of Biological Chemistry</i> , Vol. 246(8):629-632 (1971)			
/M.C./	C156	Lukes, James J. et al., "Substituted Thiadiazolines as Inhibitors of Central Nervous System Carbonic Anhydrase," <i>Journal of Medicinal Chemistry</i> , Vol. 18(4):351-354 (1975)			
/M.C./	C157	Lytle, Fred Edward, "Chemiluminescence and Photoluminescence of Ruthenium Chelates," MIT Ph.D Thesis (1968)			
/M.C./	C158	Macneair, Richard N., "Photochromism in Triphenylmethanes," <i>Photochemistry and Photobiology</i> , Vol. 6:779-797 (1967)			
/M.C./	C159	Mao, James C.-H. et al., "Mode of Inhibition of Herpes Simplex Virus DNA Polymerase by Phosphonoacetate," <i>Biochemistry</i> , Vol. 14(25):5475-5479 (1975)			
/M.C./	C160	Maragoudakis, Michael E. et al., "On the Mode of Action of Lipid-lowering Agents. V. Kinetics of the Inhibition <i>in Vitro</i> of Rat Acetyl Coenzyme A Carboxylase," <i>The Journal of Biological Chemistry</i> , Vol. 246(2):348-358 (1971)			

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/M.C./	C161	Maragoudakis, Michael E. et al., "On the Mode of Action of Lipid-Lowering Agents. II. <i>In Vitro</i> Inhibition of Acetyl Coenzyme A Carboxylase by a Hypolipidemic Drug," <i>Biochemistry</i> , Vol. 9(2):413-416 (1970)			
/M.C./	C162	McCapra, Frank et al., "Chemiluminescence Involving Peroxide Decompositions," <i>Photochemistry and Photobiology</i> , Vol. 4:1111-1121 (1965)			
/M.C./	C163	McCapra, Frank et al., "Chemiluminescence of Indolyl Peroxides," <i>The Chemical Society, London, Chemical Communications</i> , Vol. 15:522-523 (1966)			
/M.C./	C164	McEwen, Charles M. et al., "Human Liver Mitochondrial Monoamine Oxidase. III. Kinetic Studies Concerning Time-Dependent Inhibitors," <i>Biotechnology</i> , Vol. 8(10):3963-3972 (1969)			
/M.C./	C165	Meek, E.S. et al., "Differential Inhibition by Phagocytosis of DNA Synthesis in Cells Infected with <i>Vaccinia</i> ," <i>Nature</i> , Vol. 220:822 (1968)			
/M.C./	C166	Meyer, H., "Structural/Activity Relationships in Calcium Antagonists," <i>Calcium Antagonists and Cardiovascular Disease</i> , L.H. Opie (ed.), Raven Press, New York, Chpt. 15:165-173 (1984)			
/M.C./	C167	Michelot, Robert J. et al., "Effect of S-Adenosylhomocysteine and S-Tubercidinylhomocysteine on Catecholamine Methylation in Neuroblastoma Cells," <i>Molecular Pharmacology</i> , Vol. 13:368-373 (1977)			
/M.C./	C168	Miller, L.L., "Comparison of Experimental and Theoretical Complex Plane Plots," <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , Vol. 117:267-281 (1981)			
/M.C./	C169	Miller, Christine et al., "The \$120 Million a Month Pharmaceutical Race," <i>Today's Chemist at Work</i> , Vol. 6(4):50-57 (1997)			
/M.C./	C170	Mohan, Arthur G., "Peroxyoxalate Chemiluminescence," <i>Chemi- and Bioluminescence</i> , John G. Burr (ed.), Marcel Dekker, Inc., New York, Chpt. 5:245-258 (1985)			

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/M.C./	C171	Moncada, Salvador et al., "Prostaglandins, Prostacyclin, and Thromboxane A2," Goodman and Gilman's, <i>The Pharmacological Basis of Therapeutics</i> , Sixth Edition, MacMillan Publishing Co., Inc., New York, Chpt. 28:668-681 (1980)			
/M.C./	C172	Mong, Seymour et al., "Molecular Heterogeneity of Leukotriene Receptors," <i>Receptor Binding in Drug Research</i> , Robert A. O'Brien (ed.), Marcel Dekker, Inc., New York, Chpt. 10:205-259 (1986)			
/M.C./	C173	Morawetz, Herbert, "Studies of Synthetic Polymers by Nonradiative Energy Transfer," <i>Science</i> , Vol. 240:172-176 (1988)			
/M.C./	C174	Nagatsu, T. et al., "Inhibition of Human Serum Dopamine $\beta$ -Hydroxylase After the Oral Administration of Fusaric Acid," <i>Experientia</i> , Vol. 28(7):779-780 (1972)			
/M.C./	C175	Nagatsu, Toshiharu et al., "Pteridines as Cofactor or Inhibitor of Tyrosine Hydroxylase," <i>Biochemical Pharmacology</i> , Vol. 21:1945-1953 (1972)			
/M.C./	C176	Nagatsu, Toshiharu et al., "Tyrosine Hydroxylase, The Initial Step in Norepinephrine Biosynthesis," <i>The Journal of Biological Chemistry</i> , Vol. 239(9):2910-2917 (1964)			
/M.C./	C177	Nair, M.G. et al., "Synthesis and Antifolate Activity of Isoaminopterin," <i>Journal of Medicinal Chemistry</i> , Vol. 17(12):1268-1272 (1974)			
/M.C./	C178	Nakamura, Hideshi et al., "Studies on Aminodioxetanes as a Model of Bioluminescence Intermediates. 1-(1-Methyl-3-Indolyl)-6-Phenyl-2,5,7,8-Tetraoxabicyclo[4.2.0]Octane, an Aminodioxetane Resulting in Efficient Ultraviolet and Complex Chemiluminescence," <i>Photochemistry and Photobiology</i> , Vol. 30:27-33 (1979)			
/M.C./	C179	Neilands, J.B., <i>Microbial Iron Metabolism</i> , a Comprehensive Treatise, Academic Press, New York, pgs. 10-19 (1974)			
/M.C./	C180	Nikaido, T. et al., "Inhibitors of Cyclic AMP Phosphodiesterase in Medicinal Plants," <i>Journal of Medicinal Plant Research</i> , Vol. 43:18-23 (1981)			

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/M.C./	C181	Nogradi, Thomas, Medicinal Chemistry, a Biochemical Approach, Oxford University Press, New York, pgs. 192-203, 274-285, 358-361 (1985)			
/M.C./	C182	Norén, Jan O. et al., "Synthesis of Esters of Phosphonoformic Acid and Their Antiherpes Activity," <i>J. Med. Chem.</i> , Vol. 26:264-270 (1983)			
/M.C./	C183	Noyes, William A. et al., "An Efficient Apparatus for Fractional Distillation Under Diminished Pressure," <i>The Journal of the American Chemical Society</i> , Vol. 39:2718-2720 (1917)			
/M.C./	C184	Olsen, Richard W. et al., "Potency of Inhibitors for $\gamma$ -Aminobutyric Acid Uptake by Mouse Brain Subcellular Particles at 0°," <i>Molecular Pharmacology</i> , Vol. 11:558-565 (1975)			
/M.C./	C185	Oyama, Hideko et al., "Inhibition of Dopamine $\beta$ -Hydroxylase by Some New Thiourea Derivatives," <i>Biochemical Pharmacology</i> , Vol. 25:277-280 (1975)			
/M.C./	C186	Panganamala, Rao V. et al., "Differential Inhibitory Effects of Vitamin E and Other Antioxidants on Prostaglandin Synthetase, Platelet Aggregation and Lipoxygenase," <i>Prostaglandins</i> , Vol. 14(2):261-271 (1977)			
/M.C./	C187	Papa, S. et al., "Proton-Cation Translocation in Tumor Cell Mitochondria," <i>Cancer Research</i> , Vol. 43:834-838 (1983)			
/M.C./	C188	Pearson, D.E. et al., "Friedel-Crafts Acylations with Little or No Catalyst," <i>Synthesis</i> , pgs. 533-542 (1972)			
/M.C./	C189	Pereira, Joseph N. et al., "The Development of Resistance to a Potent Lipolysis Inhibitor, 3-Methylisoxazole-5-Carboxylic Acid," <i>The Journal of Pharmacology and Experimental Therapeutics</i> , Vol. 157(2):381-387 (1967)			
/M.C./	C190	Philbrook, G.E. et al., "Some Relationships Between Structure and Chemiluminescence in Triphenylimidazoles," <i>Photochemistry and Photobiology</i> , Vol. 4:1175-1183 (1965)			

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/M.C./	C191	Philbrook, G.E. et al., "The Chemiluminescence of Certain Indoles," <i>Photochemistry and Photobiology</i> , Vol. 4:869-876 (1965)			
/M.C./	C192	Polacoat Incorporated, "Development of a Means to Provide Protection for the Eyes Against the Dazzle Effects of Nuclear Detonations," Final Report, Polacoat Project QM-5 (1961)			
/M.C./	C193	Polacoat Incorporated, "The Cynacell and Focal Plane Concepts of Phototoxic Systems Application to Ophthalmic Nuclear Flash-Protective Devices," MRL-TDR-62-46 (1962)			
/M.C./	C194	Polakoski, Kenneth et al., "Boar Acrosin II. Classification, Inhibition, and Specificity Studies of a Proteinase from Sperm Acrosomes," <i>The Journal of Biological Chemistry</i> , Vol. 248(23):8183-8188 (1973)			
/M.C./	C195	Porter, Curt C. et al., "4,4,6-Trimethyl-3,4-Dihydropyrimidine-2-Thiol, an Effective Inhibitor of Dopamine-β-Hydroxylation <i>In Vivo</i> ," <i>Biochemical Pharmacology</i> , Vol. 20:183-191 (1971)			
/M.C./	C196	Rando, Robert R. et al., "The <i>In Vivo</i> Inhibition of GABA-Transaminase by Gabaculine," <i>Biochemical and Biophysical Research Communications</i> , Vol. 76:1276-1281 (1977)			
/M.C./	C197	Rando, R.R. et al., "The Irreversible Inhibition of Mouse Brain γ-Aminobutyric Acid (GABA)-α-Ketoglutaric Acid Transaminase by Gabaculine," <i>Journal of the American Chemical Society</i> , Vol. 98(21):6762-6764 (1976)			
/M.C./	C198	Rauhut, M.M. et al., "Structural Criteria for Chemiluminescence in Acyl Peroxide Decomposition Reactions," <i>Photochemistry and Photobiology</i> , Vol. 4:1097-1110 (1965)			
/M.C./	C199	Robert, André et al., "Marked Inhibition of Gastric Secretion by Two Prostaglandin Analogs Given Orally to Man," <i>Life Sciences</i> , Vol. 14:533-538 (1974)			
M.C./	C200	Robert-Gero, M. et al., "Analogues of S-Adenylyl-Homocysteine as <i>In Vitro</i> Inhibitors of Transmethylases and <i>In Vivo</i> Inhibitors of Viral Oncogenesis and other Cellular Events," <i>Enzyme Inhibitors</i> , pgs. 61-74 (1980)			

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Substitute for form 1449/PTO				Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	10/828,558-Conf. #5441
(Use as many sheets as necessary)				Filing Date	April 21, 2004
Sheet	23	of	28	First Named Inventor	Randell L. MILLS
				Art Unit	1626
				Examiner Name	F. Powers
				Attorney Docket Number	RMI-017RCE

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T <sup>2</sup>					
/M.C./	C201	Roberts, Eugene et al., "γ-Aminobutyric Acid and Nervous System Function - A Perspective," <i>Biochemical Pharmacology</i> , Vol. 23:2637-2649 (1974)			
/M.C./	C202	Rogers, Henry J. et al., "Bacteriostatic Effects of Horse Sera and Serum Fractions on <i>Clostridium welchii</i> Type A, and the Abolition of Bacteriostasis by Iron Salts," <i>Immunology</i> , Vol. 12:285-301 (1967)			
/M.C./	C203	Roheim, P.S. et al., "The Mechanism of Inhibition of Lipoprotein Synthesis by Orotic Acid," <i>Biochemical and Biophysical Research Communications</i> , Vol. 20(4):416-421 (1965)			
/M.C./	C204	Rokujo, T. et al., "Lentysine: A New Hypolipidemic Agent from a Mushroom," <i>Life Sciences</i> , Vol. 9, Part II, pgs. 379-385 (1970)			
/M.C./	C205	Rosen, Barry P., <i>Bacterial Transport</i> , Marcel Dekker, Inc., New York, pgs. 481-493 (1978)			
/M.C./	C206	Roswell, David F. et al., "The Chemiluminescence of Luminol and Related Hydrazides," <i>Methods in Enzymology, Bioluminescence and Chemiluminescence</i> , Marlene A. DeLuca (ed.) Academic Press, New York, Vol. LVII:409-445 (1978)			
/M.C./	C207	Saari, Walfrid S. et al., "Tyrosine Hydroxylase Inhibitors. Synthesis and Activity of Substituted Aromatic Amino Acids," <i>J. Am. Chem. Soc.</i> , Vol. 10:1008-1014 (1967)			
/M.C./	C208	Schaap, A. Paul et al., "Silica Gel-Catalyzed Rearrangement of an Endoperoxide to a 1,2-Dioxetane," <i>Journal of American Chemical Society</i> , Vol. 99(4):1270-1272 (1977)			
/M.C./	C209	Schnebl, Hans P. et al., "Purification and Properties of Adenosine Kinase from Human Tumor Cells of Type H. Ep. No. 2," <i>The Journal of Biological Chemistry</i> , Vol. 242(9):1997-2004 (1967)			
/M.C./	C210	Schnepp, O. et al., "Intramolecular Energy Transfer in a Naphthalene-Anthracene System," <i>J. Am. Chem. Soc.</i> , Vol. 84:172-177 (1962)			

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				Examiner Name	F. Powers
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/M.C./	C211	Schroeder, Hartmut R. et al., "Monitoring Specific Protein-Binding Reactions with Chemiluminescence," <i>Methods in Enzymology, Bioluminescence and Chemiluminescence</i> , Volume LVII, Marlene A. DeLuca (ed.), Academic Press, New York, Chpt. 37, pgs. 424-445 (1978)			
/M.C./	C212	Schuster, Gary B. et al., "Activated Chemiluminescence of Dimethylidioxetanone," <i>Bioluminescence and Chemiluminescence, Basic Chemistry and Analytical Applications</i> , Marlene A. DeLuca (ed.), Academic Press, New York, pgs. 23-29 (1981)			
/M.C./	C213	Schuster, Gary B. et al., "Chemical Mechanisms of Chemi- and Bioluminescence. Reactions of High Energy Content Organic Compounds," <i>Photochemistry and Photobiology</i> , Vol. 30:17-26 (1979)			
/M.C./	C214	Schwarzmann, Klaus et al., "Molecular Architecture of the Inner Membrane of Mitochondria from Rat Liver: A Combined Biochemical and Stereological Study," <i>The Journal of Cell Biology</i> , Vol. 102:97-103 (1986)			
/M.C./	C215	Sheen, M.R. et al., "Purine Nucleoside Phosphorylase from Human Erythrocytes III. Inhibition by the Inosine Analog Formycin B of the Isolated Enzyme and of Nucleoside Metabolism in Intact Erythrocytes and Sarcoma 180 Cells," <i>Mol. Pharmacol.</i> , Vol. 4:293-299 (1968)			
/M.C./	C216	Shimomura, Osamu et al., "Elimination of the Effect of Contaminating CO <sub>2</sub> in the 18O-Labeling of the CO <sub>2</sub> Produced in Bioluminescent Reactions," <i>Photochemistry and Photobiology</i> , Vol. 30:89-91 (1979)			
/M.C./	C217	Simmonds, H.A. et al., "A Role for Purine Metabolism in the Immune Response: Adenosine-Deaminase Activity and Deoxyadenosine Catabolism," <i>The Lancet</i> , Vol. 14:60-63 (1978)			
/M.C./	C218	Simon, J.R. et al., "The Effects of L-2,4-Diaminobutyric Acid on the Uptake of Gamma-Aminobutyric Acid by a Synaptosomal Fraction From Rat Brain," <i>Archives of Biochemistry and Biophysics</i> , Vol. 157:348-355 (1973)			
/M.C./	C219	Slawińska, Danuta et al., "Chemiluminescence in the Peroxidation of Tannic Acid," <i>Photochemistry and Photobiology</i> , Vol. 30:71-80 (1979)			
/M.C./	C220	Smith, Donald A. et al., "Treating hyperlipidemia, Part III: Drug Therapy," <i>Geriatrics</i> , Vol. 42(8):55-62 (1987)			

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/M.C./	C221	Sourkes, T.L. et al., "Inhibition of Dihydroxyphenylalanine Decarboxylase by Derivatives of Phenylalanine," <i>Arch. Biochem. Biophys.</i> , Vol. 51:444-456 (1954)			T <sup>2</sup>
/M.C./	C222	Spector, Thomas et al., "Mammalian Adenylosuccinate Synthetase Nucleotide Monophosphate Substrates and Inhibitors," <i>Biochimica et Biophysica Acta</i> , Vol. 445:509-517 (1976)			
/M.C./	C223	Spector, T. et al., "Stoichiometric Inhibition of Reduced Xanthine Oxidase By Hydroxypyrazolo[3,4-d]pyrimidines," <i>The Journal of Biological Chemistry</i> , Vol. 245(19):5079-5085 (1970)			
/M.C./	C224	Springer, Robert H. et al., "Synthesis and Enzymic Activity of Some Novel Xanthine Oxidase Inhibitors. 3-Substituted 5,7-Dihydroxypyrazolo[1,5-a]pyrimidines," <i>Journal of Medicinal Chemistry</i> , Vol. 19(2):291-296 (1976)			
/M.C./	C225	Suhadolnik, Robert J., "Naturally Occurring Nucleoside and Nucleotide Antibiotics," <i>Progress in Nucleic Acid Research and Molecular Biology</i> , Waldo E. Cohn (ed.), Academic Press, New York, Vol. 22:193-291 (1979)			
/M.C./	C226	Symes, Aston L. et al., "Pharmacological and Biochemical Actions of the Hemolytic Agents Acetylphenylhydrazine and Phenylhydrazine on Monoamine Oxidase in teh Rat," <i>Biochemical Pharmacology</i> , Vol. 23:2045-2056 (1974)			
/M.C./	C227	Tateson, James E. et al., "Inhibition of Adenosine-3',5'-Cyclic Monophosphate Phosphodiesterase by Potential Antiallergic Compounds," <i>Life Sciences</i> , Vol. 18:153-162 (1976)			
/M.C./	C228	Taylor, Russell J. Jr. et al., "Inhibition of Prostaglandin Synthetase by Tolmetin (Tolectin, McN-2559), a New Non-steroidal Anti-inflammatory Agent," <i>Biochemical Pharmacology</i> , Vol. 25:2479-2484 (1976)			
/M.C./	C229	Taylor, R.J. Jr., et al., "Inhibition of Tyrosine Hydroxylase by Pyrroloisoxazoles," <i>Life Sciences</i> , Vol. 6:1463-1466 (1967)			
/M.C./	C230	Taylor, R.J. Jr. et al., "Inhibition of Tyrosine Hydroxylase in Vitro and in Vivo by 3-Amino-Pyrrolo[3,4c]Isoxazole and Derivatives," <i>Biochemical Pharmacology</i> , Vol. 17:1779-1788 (1968)			

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/M.C./	C231	Tipton, Keith F. et al., "Inhibition of Monoamine Oxidase by Substituted Hydrazines," <i>Biochem. J.</i> , Vol. 128:913-919 (1972)			T <sup>2</sup>
/M.C./	C232	Trotta, Paul P. et al., "Studies on the Effects of Infusion of Enzyme Inhibitors on Mouse Adenosine Deaminase," <i>Molecular Pharmacology</i> , Vol. 14:199-209 (1977)			
/M.C./	C233	Tuemmler, William B. et al., "Polymethine Dyes. I. A Comparison of Several Vinylous Series in which the Polymethine Chains Are Terminated by Aryl Groups," <i>Vol. 80:3772-3777 (1958)</i>			
/M.C./	C234	Tunnicliff, G. et al., "N-(5'Phosphopyridoxyl)-4-aminobutyric acid: A Stable bisubstrate adduct inhibitor of rat brain 4-aminobutyric acid aminotransferase," <i>Experientia</i> , Vol. 33(1):00-22 (1977)			
/M.C./	C235	Udenfriend, Sidney et al., "Inhibitors of Purified Beef Adrenal Tyrosine Hydroxylase," <i>Biochemical Pharmacology</i> , Vol. 14:837-845 (1965)			
/M.C./	C236	Umezawa, Hamao, "Low-Molecular-Weight Enzyme Inhibitors of Microbial Origin," <i>Ann. Rev. Microbiol.</i> , Vol. 36:75-99 (1982)			
/M.C./	C237	Unger, Th. et al., "Peptidylidipeptide Carboxyhydrolase (Converting Enzyme) Inhibitors: Pharmacology and Mechanism of Action," <i>Enzyme Inhibitors</i> , pgs. 223-244 (1980)			
/M.C./	C238	Uretsky, Norman J. et al., "Effect of $\alpha$ -Methyl-dopa on Dopamine Synthesis and Release in Rat Striatum <i>in Vitro</i> ," <i>The Journal of Pharmacology and Experimental Therapeutics</i> , Vol. 193(1):73-87 (1975)			
/M.C./	C239	van der Schoot, Johan B. et al., "On the Mechanism of Inhibition of Dopamine- $\beta$ -Oxidase by Benzylxamines," <i>J. Pharm. Exp. Ther.</i> , Vol. 141:74-78 (1963)			
/M.C./	C240	van Dyke, Knox, "Introduction," <i>Bioluminescence and Chemiluminescence: Instruments and Applications</i> , Vol. I, CRC Press, Inc., Chpt. 1, pgs. 1-42 (200)			

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/M.C./	C241	Vigdahl, Roger L. et al., "Platelet Aggregation IV. Platelet Phosphodiesterase and its Inhibition by Vasodilators," <i>Biochemical and Biophysical Research Communications</i> , Vol. 42(6):1088-1094 (1971)	
/M.C./	C242	Vlieghe, Patrick et al., "New 3'-Azido-3'deoxythymidin-5'-yl O-( $\omega$ -Hydroxyalkyl) Carbonate Prodrugs: Synthesis and Anti-HIV Evaluation," <i>J. Med. Chem.</i> , Vol. 44:777-786 (2001)	
/M.C./	C243	Vrang, Lotta et al., "PP <sub>i</sub> Analogs as Inhibitors of Human T-Lymphotropic Virus Type III Reverse Transcriptase," <i>Antimicrobial Agents and Chemotherapy</i> , Vol. 29(5):867-872 (1986)	
/M.C./	C244	Wake, Akira et al., "The Effect of an Iron Drug on Host Response to Experimental Plague Infection," <i>Japan J. Med. Sci. Biol.</i> , Vol. 25:75-84 (1972)	
/M.C./	C245	Walsh, C.T. et al., "Suicide Substrates, Mechanism-based Enzyme Inactivators: Recent Developments," <i>Ann. Rev. Biochem.</i> , Vol. 53:493-535 (1984)	
/M.C./	C246	Wardell, William M., "Scientific Criteria and Methods for Drug Assessment: Requirements in the United States of America," <i>Drug Assessment Criteria and Methods</i> , pgs. 91-100 (1979)	
/M.C./	C247	Way, L. et al., "Inhibition of Gastric Acid Secretion <i>in vitro</i> by Prostaglandin E <sub>1</sub> ," <i>Nature</i> , Vol. 221:874-875 (1969)	
/M.C./	C248	Weinberg, Eugene, "Biosynthesis of Secondary Metabolites: Roles of Trace Metals," <i>Adv. Microb. Physiol.</i> , Vol. 4:1-44 (1970)	
/M.C./	C249	Weinberg, Eugene D. et al., "Iron and Susceptibility to Infectious Disease," <i>Science</i> , Vol. 184:952-956 (1974)	
/M.C./	C250	Weinhold, Paul A. et al., "Comparison of halogenated and phenylalanine analogues as inhibitors as particle-bound and soluble tyrosine hydroxylase," <i>Biochemical Pharmacology</i> , Vol. 18:677-680 (1969)	

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/M.C./	C251	Weinstock, Marta, "The Presynaptic Effect of $\beta$ -Adrenoceptor Antagonists on Noradrenergic Neurons," <i>Life Sciences</i> , Vol. 19:1453-1466 (1976)			T <sup>2</sup>
/M.C./	C252	White, Emil H. et al., "Chemiluminescence in Liquid Solutions: The Chemiluminescence of Lophine and its Derivatives," <i>Photochemistry and Photobiology</i> , Vol. 4:1129-1155 (1965)			
/M.C./	C253	White, David C. et al., "Localization of the Enzymes That Catalyze Hydrogen and Electron Transport in <i>Hemophilus parainfluenzae</i> and the Nature of the Respiratory Chain System," <i>The Journal of Biological Chemistry</i> , Vol. 239(11):3956-3963 (1964)			
/M.C./	C254	Wilkinson, F., "Intramolecular Electronic Energy Transfer Between Organic Molecules," <i>Luminescence in Chemistry</i> , E.J. Bowen (ed.), D. Van Nostrand Company, Ltd., London, Chpt. 8, pgs. 154-182 (1971)			
/M.C./	C255	Windmueller, H.G. et al., "Total Inhibition of Hepatic $\beta$ -Lipoprotein Production in the Rat by Orotic Acid," <i>The Journal of Biological Chemistry</i> , Vol. 242(9):2246-2254 (1967)			
/M.C./	C256	Wittig, George et al., "Methylenecyclohexane [Cyclohexane, methylene-]." <i>Organic Syntheses</i> , Coll., Vol. 5:751 (1973); Vol. 40:66 (1960)			
/M.C./	C257	Yamamoto, Toshihide et al., "Palladium-Catalyzed Synthesis of Triarylamines from Aryl Halides and Diarylamines," <i>Tetrahedron Letters</i> , Vol. 39:2367-2370 (1998)			
/M.C./	C258	Zaklika, K.A. et al., "Mechanisms of 1,2-Dioxetane Decomposition: The Role of Electron Transfer," <i>Photochemistry and Photobiology</i> , Vol. 30:35-44 (1979)			

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